Earth and Planetary Science Letters 139 (1996) 525-526

Contents Volume 139

139 (1/2)

| Modal depth anomalies from multibeam bathymetry: Is there a South Pacific superswell? | |
|--|-----|
| D.A. Levitt and D.T. Sandwell | |
| Ten million year histories of obliquity and precession: The influence of the ice-age cycle | |
| X. Jiang and W.R. Peltier | 1 |
| Neural net aided detection of astronomical periodicities in geologic records | |
| M. Brescia, B. D'Argenio, V. Ferreri, G. Longo, N. Pelosi, S. Rampone and R. Tagliaferri | 33 |
| Age and duration of the Matuyama-Brunhes geomagnetic polarity reversal from ⁴⁰ Ar/ ³⁹ Ar incremental heating analyses of lavas | |
| B.S. Singer and M.S. Pringle | 4 |
| Paleomagnetism of the Lesotho basalt, southern Africa | |
| A.A. Kosterov and M. Perrin | 63 |
| A preliminary paleomagnetic pole for mid-Cretaceous rocks from Tobago: further evidence for large clockwise rotations in the | |
| Caribbean-South American plate boundary zone | |
| R.F. Burmester, M.E. Beck, Jr., R.C. Speed and A.W. Snoke | 79 |
| Reheating of old oceanic lithosphere: Deductions from observations | |
| S. Nagihara, C.R.B. Lister and J.G. Sclater | 9 |
| Hydrothermal CO ₂ emission from the Taupo Volcanic Zone, New Zealand | |
| T.M. Seward and D.M. Kerrick | 105 |
| Geochemical consequences of melt transport in 2-D: The sensitivity of trace elements to mantle dynamics | |
| M. Spiegelman | 115 |
| Comparison of the dynamic and parameterized models of mantle convection including core cooling | |
| S. Honda and Y. Iwase | 133 |
| Upper mantle temperatures from teleseismic tomography of French Massif Central including effects of composition, mineral | |
| reactions, anharmonicity, anelasticity and partial melt | |
| S.V. Sobolev, H. Zeyen, G. Stoll, F. Werling, R. Altherr and K. Fuchs | 147 |
| The Guitiriz granite, Variscan belt of northern Spain: extension-controlled emplacement of magma during tectonic escape | |
| A. Aranguren, J.M. Tubia, J.L. Bouchez and J.L. Vigneresse | 165 |
| Tectonic setting for the genesis of oceanic plagiogranites: evidence from a paleo-spreading structure in the Oman ophiolite | |
| I. Amri, M. Benoit and G. Ceuleneer | 177 |
| Mantle plume and lithosphere contributions to basalts from southern Ethiopia | |
| K. Stewart and N. Rogers | 195 |
| Limits on the mass flux between lower and upper mantle and stability of layering | |
| R.K. O'Nions and I.N. Tolstikhin | 213 |
| Garnets recording deep crustal earthquakes | |
| H. Austrheim, M. Erambert and T.M. Boundy | 223 |
| Gas geochemical changes at mineral springs associated with the 1995 southern Hyogo earthquake (M = 7.2), Japan | |
| R. Sugisaki, T. Ito, K. Nagamine and I. Kawabe | 239 |
| Paleosecular variation of field intensities and dipole moments | |
| M. Kono and O. Hiroi | 251 |
| Seismic tomography of northern Tibet and Kunlun: Evidence for crustal blocks and mantle velocity contrasts | |
| G. Wittlinger, F. Masson, G. Poupinet, P. Tapponnier, J. Mei, G. Herquel, J. Guilbert, U. Achauer, X. Guanqi, S. Danian and | |
| Lithoscope Kunlun Team | 263 |
| Observations under electron microscopy of magnetic minerals extracted from speleothems | |
| A.M. Perkins | 281 |

| Carbon isotope records from extant Caribbean and South Pacific sponges: Evolution of 6°C in surface water DIC | |
|---|------|
| F. Böhm, M.M. Joachimski, H. Lehnert, G. Morgenroth, W. Kretschmer, J. Vacelet and WC. Dullo | . 29 |
| Rare earth element complexation behavior in circumneutral pH groundwaters: Assessing the role of carbonate and phosphate ions | |
| K.H. Johannesson, K.J. Stetzenbach, V.F. Hodge and W.B. Lyons | . 30 |
| A luminescence method for dating 'dirty' pedogenic carbonates for paleoenvironmental reconstruction | |
| A.K. Singhvi, D. Banerjee, R. Ramesh, S.N. Rajaguru and V. Gogte | . 32 |
| A.K. Singhi, D. Baherjee, K. Kalinesh, S. K. Kajagura and Y. Gogle | - |
| Erratum | |
| Erratum to "Thermal entrainment and melting in mantle plumes" [Earth Planet. Sci. Lett. 136 (1995) 251-267] | |
| C.G. Farnetani and M.A. Richards | 33: |
| 139 (3/4) | |
| The short duration and anorogenic character of anorthosite magmatism: U-Pb dating of the Rogaland complex, Norway | |
| U. Schärer, E. Wilmart and JC. Duchesne | 33: |
| ²³⁰ Th- ²³² Th systematics in the central Pacific Ocean: The sources and the fates of thorium | |
| M. Roy-Barman, J.H. Chen and G.J. Wasserburg | 35 |
| J. Thomson, N.C. Higgs and S. Colley | 365 |
| 'Sawtooth' variation in magnetic intensity profiles and delayed acquisition of magnetization in deep sea cores | 27/ |
| A. Mazaud | 379 |
| Small off-axis volcanoes on the East Pacific Rise | 201 |
| R.T. Alexander and K.C. Macdonald | 387 |
| A scaling growth model for bubbles in basaltic lava flows | 201 |
| H. Gaonac'h, S. Lovejoy, J. Stix and D. Scherzter | 395 |
| Sorption and diffusion of helium in garnet: implications for volatile tracing and dating | 44. |
| T.J. Dunai and K. Roselieb | 411 |
| Peridotite clinopyroxene chemistry reflects mantle processes rather than continental versus oceanic settings | 101 |
| G. Rivalenti, R. Vannucci, E. Rampone, M. Mazzucchelli, G.B. Piccardo, E.M. Piccirillo, P. Bottazzi and L. Ottolini | 423 |
| Seismic properties and densities of middle and lower crustal rocks exposed along the North China Geoscience Transect | 101 |
| H. Kern, S. Gao and QS. Liu | 439 |
| Seismic Indications of Gas Hydrates in Continental Margins. Edited by M. Kastner | |
| Preface: Seismic Indications of Gas Hydrates in Continental Margins | |
| M. Kastner | 457 |
| Velocity structure of a bottom simulating reflector offshore Peru: Results from full waveform inversion | |
| I.A. Pecher, T.A. Minshull, S.C. Singh and R. von Huene | 459 |
| The nature, distribution, and origin of gas hydrate in the Chile Triple Junction region | |
| K.M. Brown, N.L. Bangs, P.N. Froelich and K.A. Kvenvolden | 471 |
| Variations in temperature gradients identify active faults in the Oregon accretionary prism | |
| G. Zwart, J.C. Moore and G.R. Cochrane | 485 |
| Bacterial populations and processes in sediments containing gas hydrates (ODP Leg 146: Cascadia Margin) | |
| B.A. Cragg, R.J. Parkes, J.C. Fry, A.J. Weightman, P.A. Rochelle and J.R. Maxwell | 497 |
| Rock-magnetic signature of gas hydrates in accretionary prism sediments | |
| B.A. Housen and R.J. Musgrave | 509 |
| Author Index Volume 139 | 521 |
| | |

